

hDRK
Parame
Celegans
MSlo
cal\_act
AKT1
herg
romk
hgirk

Shaker hKv1.1

clost

d

SIPASEWWATITMI SIPDAFWWAVVSMT SIPDAFWWAYVTMT SLMTAFYFSIETMSTVGYGDIV: PVSESARLFTISVIISGITVFATSMTSIFGPLIRGG NFLGAMWLISITFLSIGYGDMV SIPLGLWWAICIMITVGYGDMT **CALTISMATISHTAD** SLGNALWWSVFTIT GFVSAFLFSIETETTIGYGYRVITDKCPEGIILLLIQSVLGSIVNAFMVGCMFVKISQPK RYVTSMYWSITTLTTVGYGDLH..PVNTKEMIFDIFYMLFNLGLTAYLIGNMTNLVVHGT KYVTA<u>LYFTFSSLT</u>SVGFGNVS..PNTNSEKIFSICVMLIGSLMYASIFGNVSAIIQRLY TYWECVYLLMVTMSTVGYGDVY GMTSAFL<u>FSL</u>ETQVITIGYGFRFVTEQCATAIFLL<u>I</u>FQS<u>I</u>LGVII<u>NS</u>FM<u>C</u>GA<u>IL</u>AKI<u>S</u>RPK TVGYGDIS TVGYGDMI TVGYGDIY TVGYGDMY rigyg<u>bi</u>j ..PSTPFGRVIASILMLIGIGFLSMLTGTISTFFISKK PVGFWGKIVGSLCVIAGVLTIALPVPVIVSNFNYFY AKTTLGRLFMVFFILGGLAMFASYVPEIIELIGNRK PHTYCGKGVCLLTGIMGAGCTALVVAVVARKLELTK PQNLRERVFAVGMALSAVGVFGYSIGNINSIYAEWS PKTLLGKIVGGLCCIAGVLVIALPIPIIVNNFSEFY PVTIGGKIVGSLCAIAGVLTIALPVPVIVSNFNYFY PHTSFGRLVGSLCAVMGVLTIALPVPVIVSNFAMFY

KYVYSLYWSTLTLTTIG. .ETPP.PVRDSEYVFVVVDFLIGVLIFATIVGNIGSMISNMN EXIXCLYWSTLTLTIG ..ETPP.PVKDEEYLFVIFDFLIGVLIFATIVGNVGSMISNMN

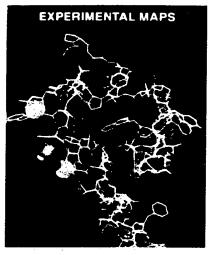
rodCNG

olcnG

.....

FIG. 2A

FIG. 2B



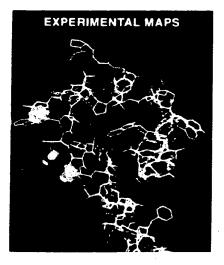
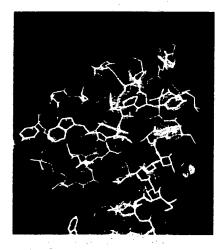


FIG. 2C

FIG. 2D



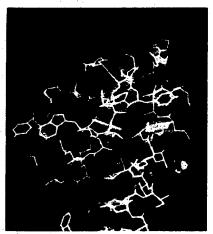
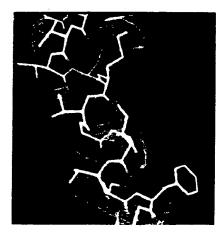


FIG. 2E

FIG. 2F



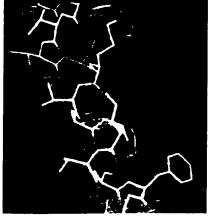


FIG. 3A

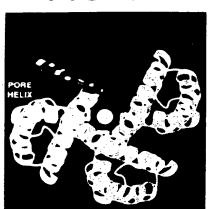


FIG. 3B



FIG. 3C

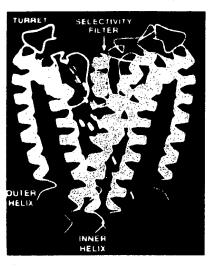


FIG. 3D

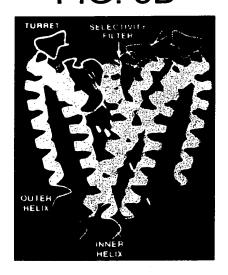


FIG. 3F

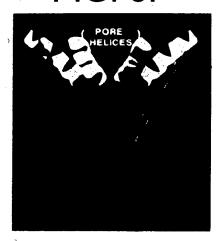
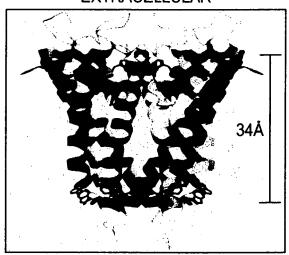


FIG. 3G



FIG. 3E

## EXTRACELLULAR



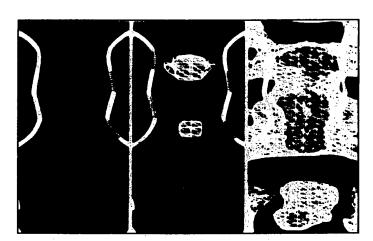
INTRACELLULAR

FIG. 6

OUTER ION

INNER ION

CAVITY ION



(

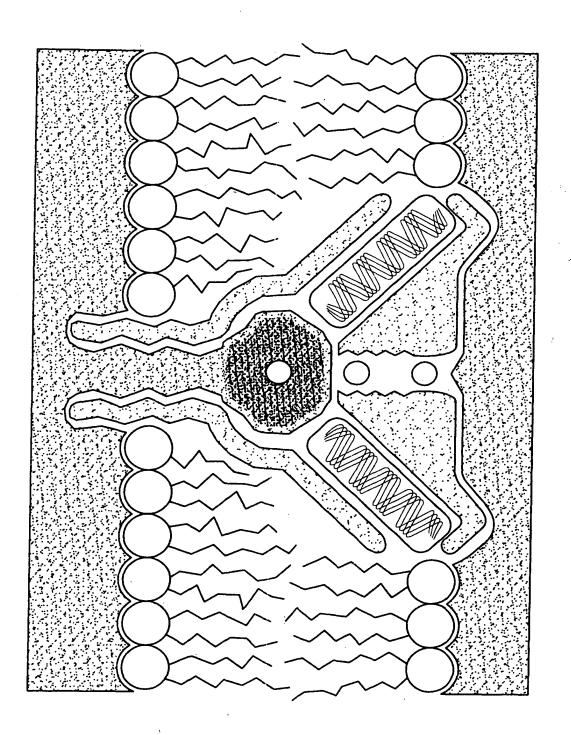


FIG. 8A

FIG. 8B

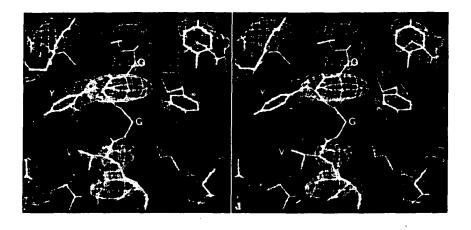


FIG. 8C

FIG. 8D

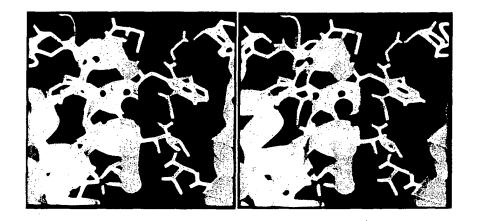


FIG. 8E

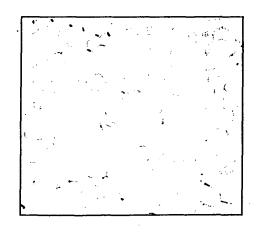
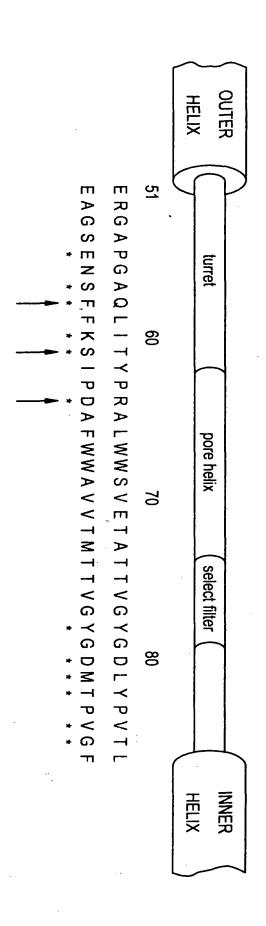


FIG. 9



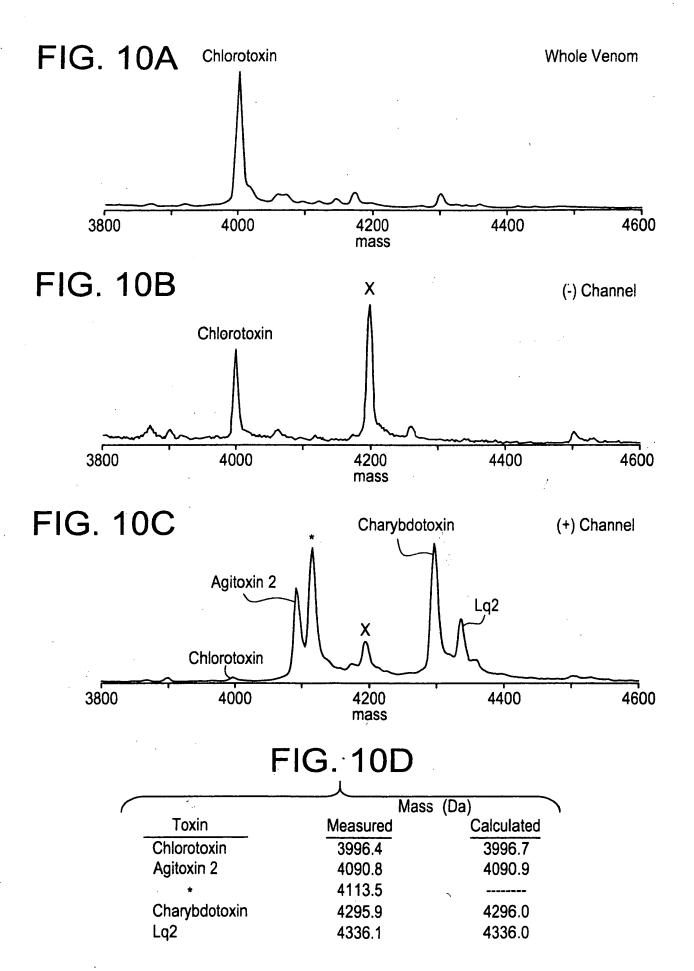


FIG. 11A

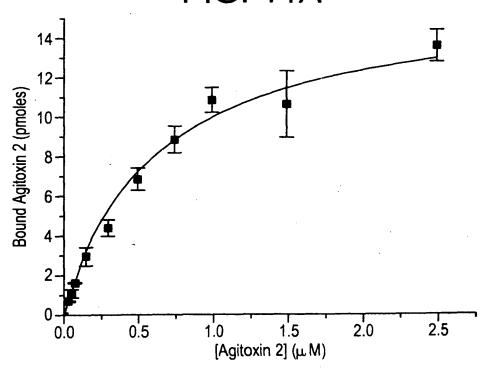


FIG. 11B

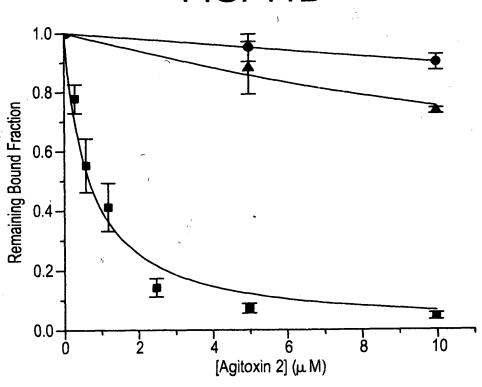


FIG. 11C

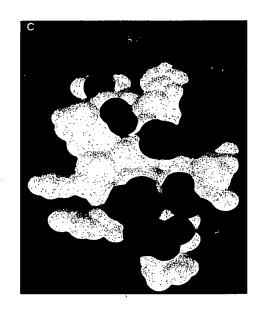


FIG. 12A

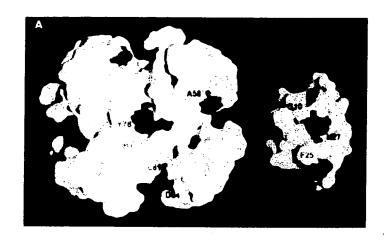


FIG. 12B

